

D.2 Transmission gains and associated equivalent satellite link noise temperatures

For each entry under D.1:

- a) The lowest equivalent satellite link noise temperature and the associated transmission gain.
- b) The values of transmission gain and associated equivalent satellite link noise temperature that correspond to the highest ratio of transmission gain to equivalent satellite link noise temperature.

ANNEX 2B
(to Appendix S4)

Table of characteristics to be submitted for space and radioastronomy services

A. General Characteristics of the satellite network or the earth station

Items in Appendix	Advanced publication of a geostationary-satellite network	Advanced publication of a non-geostationary-satellite network	Notification or coordination of a GSO network (including Art. 8 Appendix 30B)	Notification or coordination of a non-geostationary-satellite network	Notification or coordination of an earth station	Notice for space stations in the BSS under Appendix 30	Notice for feeder-link stations under Appendix 30A	Notice for stations in the FSS under Appendix 30B	Items in Appendix	Radio-astronomy
A.1.a	X	X	X	X		X	X	X	A.1.a	
A.1.b						X			A.1.b	
A.1.c							X		A.1.c	
A.1.d								X	A.1.d	
A.1.e.1					X				A.1.e.1	
A.1.e.2					X				A.1.e.2	X
A.1.e.3					X				A.1.e.3	
A.1.e.4									A.1.e.4	X
A.1.f	X	X	X	X	X	X	X	X	A.1.f	X
A.2.a	X	X	X	X	X	X	X	X	A.2.a	
A.2.b	X		X						A.2.b	
A.2.c									A.2.c	X
A.3	X	X	X	X	X	X	X		A.3	X
A.4.a.1	X		X			X	X	X	A.4.a.1	
A.4.a.2	X		X						A.4.a.2	
A.4.a.3	X		X						A.4.a.3	
A.4.a.4	X		X						A.4.a.4	
A.4.a.5	X		X						A.4.a.5	
A.4.b		X		X					A.4.b	
A.4.c					X				A.4.c	
A.5			X	X	X	X	X	X	A.5	
A.6			X	X	X	X	X	X	A.6	
A.7.a					X		X		A.7.a	
A.7.b					X		X		A.7.b	
A.7.c					X				A.7.c	
A.7.d					X		X		A.7.d	
A.8						X			A.8	
A.9						X			A.9	
A.10					X				A.10	
A.11						X	X		A.11	

Legend: X - mandatory information O - optional information C - This information need only be furnished when such information has been used as a basis to effect coordination with another administration

**B. Characteristics to be provided for each satellite antenna beam
and for each earth station antenna**

Items in Appendix	Advanced publication of a geostationary- satellite network	Advanced publication of a non-GSO network	Notification or coordination of a GSO network (including Art. 8 Appendix 30B)	Notification or coordination of a non- geostationary- satellite network	Notification or coordination of an earth station	Notice for space stations in the BSS under Appendix 30	Notice for feeder-link stations under Appendix 30A	Notice for stations in the FSS under Appendix 30B	Items in Appendix	Radio- astronomy
B.1	X	X	X	X	X	X	X	X	B.1	
B.2	X	X	X	X	X			X	B.2	
B.3.a	X		X						B.3.a	
B.3.b.1	X		X						B.3.b.1	
B.3.b.2	X		X						B.3.b.2	
B.3.c	O		C						B.3.c	
B.3.d	X		X			X	X	X	B.3.d	
B.3.e	X		X						B.3.e	
B.3.f	X		X				X		B.3.f	
B.3.g.1						X	X	X	B.3.g.1	
B.3.g.2						X	X	X	B.3.g.2	
B.3.g.3						X	X	X	B.3.g.3	
B.3.g.4						X	X	X	B.3.g.4	
B.3.g.5						X	X	X	B.3.g.5	
B.3.g.6						X			B.3.g.6	
B.4		X		X					B.4	
B.5.a					X		X		B.5.a	
B.5.b					X		X		B.5.b	
B.5.c					X		X		B.5.c	
B.6									B.6	X

Legend: X - mandatory information O - optional information

C - This information need only be furnished when such information has been used as a basis to effect coordination with another administration

**C. Characteristics to be provided for each group of frequency assignments
for a satellite antenna beam or an earth station antenna**

Items in Appendix	Advanced publication of a geostationary-satellite network	Advanced publication of a non-geostationary-satellite network	Notification or coordination of a geostationary-satellite network (including Art. 8 Appendix 30B)	Notification or coordination of a non-geostationary-satellite network	Notification or coordination of an earth station	Notice for space stations in the BSS under Appendix 30	Notice for feeder-link stations under Appendix 30A	Notice for stations in the FSS under Appendix 30B	Items in Appendix	Radio-astronomy
C.1	X	X						X	C.1	
C.2.a			X	X	X	X	X		C.2.a	
C.2.b									C.2.b	X
C.3.a			X	X	X				C.3.a	
C.3.b									C.3.b	X
C.4	X	X	X	X	X	X	X		C.4	X
C.5.a	X	X	X	X			X	X	C.5.a	
C.5.b					X				C.5.b	
C.5.c									C.5.c	X
C.6	O	O	C	C	C	X	X		C.6	
C.7.a	O	O	X	X	X	X	X		C.7.a	
C.7.b	O	O	C	C	C				C.7.b	
C.7.c	O	O	C	C	C				C.7.c	
C.7.d	O	O	C	C	C				C.7.d	
C.8.a	O	O	X	X	X				C.8.a	
C.8.b	X ¹	X ¹	X	X	X			X	C.8.b	
C.8.c	O	O	C	C	C				C.8.c	
C.8.d			X ²	X ²					C.8.d	
C.8.e	O	O	C	C	C ⁵				C.8.e	
C.8.f	X ³	X ³							C.8.f	
C.8.g			C ⁴	C ⁴	C ^{4,5}				C.8.g	
C.8.h						X			C.8.h	
C.8.i							X		C.8.i	
C.8.j								X	C.8.j	

Legend: X - mandatory information O - optional information C - This information need only be furnished when such information has been used as a basis to effect coordination with another administration

Notes: 1 Only the value of maximum power density is mandatory
2 For transmission from the space station only
3 For space-to-space relay only
4 For transmission from the earth station only
5 Not required for coordination under No. 1107

**C. Characteristics to be provided for each group of frequency assignments
for a satellite antenna beam or an earth station antenna (continued)**

Items in Appendix	Advanced publication of a geostationary-satellite network	Advanced publication of a non-geostationary-satellite network	Notification or coordination of a geostationary-satellite network (including Art. 8 Appendix 30B)	Notification or coordination of a non-geostationary-satellite network	Notification or coordination of an earth station	Notice for space stations in the BSS under Appendix 30	Notice for feeder-link stations under Appendix 30A	Notice for stations in the FSS under Appendix 30B	Items in Appendix	Radio-astronomy
C.9.a	O	O	C	C					C.9.a	
C.9.b						X	X		C.9.b	
C.10.a	X	X	X	X					C.10.a	
C.10.b	X	X	X	X			X		C.10.b	
C.10.c.1	X	X	X	X			X	X	C.10.c.1	
C.10.c.2			X	X			X	X	C.10.c.2	
C.10.c.3			X	X			X	X	C.10.c.3	
C.10.c.4	O	O	X	X			X	X	C.10.c.4	
C.10.c.5	X	X	X	X				X	C.10.c.5	
C.10.c.6							X		C.10.c.6	
C.11.a	X	X	X	X		X		X	C.11.a	
C.11.b							X		C.11.b	
C.12								X	C.12	
C.13									C.13	X

Legend: X - mandatory information O - optional information C - This information need only be furnished when such information has been used as a basis to effect coordination with another administration

D. Overall Link Characteristics

Items in Appendix	Advanced publication of a geostationary-satellite network	Advanced publication of a non-geostationary-satellite network	Notification or coordination of a geostationary-satellite network (including Art. 8 Appendix 30B)	Notification or coordination of a non-geostationary-satellite network	Notification or coordination of an earth station	Notice for space stations in the BSS under Appendix 30	Notice for feeder-link stations under Appendix 30A	Notice for stations in the FSS under Appendix 30B	Items in Appendix	Radio-astronomy
D.1	X		X						D.1	
D.2.a	X		X						D.2.a	
D.2.b	X		X						D.2.b	

Legend: X - mandatory information O - optional information C - This information need only be furnished when such information has been used as a basis to effect coordination with another administration

ADD

APPENDIX S5

ADD

Identification of administrations with which coordination is to be
effected under the provisions of Article S9

APPENDIX S5

	IDENTIFICATION OF ADMINISTRATIONS WITH WHICH COORDINATION IS TO BE EFFECTED UNDER THE PROVISIONS OF ARTICLE S9	Sources and Remarks
	1. For the purpose of effecting coordination under Article S9 and for identifying the administrations with which coordination is to be effected, the frequency assignments to be taken into account are those in the same frequency band as the planned assignment, pertaining to the same service or to another service to which the band is allocated with equal rights or a higher category ¹ of allocation, and which are:	RR 1061
	a) in conformity with No. 5.15 a); and	RR 1062
	b) either recorded in the Master Register, or coordinated under the provisions of Article S9; or	RR 1063
	c) included in the coordination procedure with effect from the date of receipt by the Bureau, in accordance with No. 3.16, of the relevant information as specified in Appendix S4; or	RR 1064
	d) already notified to the Bureau, under No. 3.14, without any coordination in those cases where No. 2 below applies; or	RR 1065
	e) for terrestrial radiocommunication stations operating in accordance with these regulations, or to be so operated prior to the date of bringing the earth station assignment into service, or within the next three years, whichever is the longer.	RR 1118
	2. No coordination is required:	RR 1066, RR 1108, RR 1155
	a) when the use of a new frequency assignment will cause, to any service of another administration, an increase in the level of interference, calculated in accordance with the method referred to in Table S5-1, which does not exceed the threshold defined therein; or	Adapted from RR 1067 for general application

¹ This does not apply to the coordination between an earth station and terrestrial stations under Nos. 3.4 i), 3.4 j), 3.4 k), 3.4 l) and 3.4 m).

	b) when the interference resulting from a modification to a frequency assignment which has previously been coordinated will not exceed the value agreed during coordination; or	RR 1068
	c) to change the characteristics of an existing assignment in such a way as not to increase the interference to the assignments of other administrations; or	RR 1110, RR 1157
	d) for assignments to stations comprising a satellite network in relation to assignments of other satellite networks:	Subheading to reflect scope of RR 1060
	i) when an administration proposes to notify or bring into use, within the service area of a satellite network, a typical earth station or an earth station which would not cause or suffer interference of a level exceeding that of a typical earth station; or	RR 1066A
	ii) when an administration proposes to notify or bring into use a new earth station which would not cause or suffer interference of a level exceeding that which would be caused by an earth station belonging to the same satellite network and whose characteristics have been published in accordance with No. 3.16 or notified to the Bureau without coordination in those cases where coordination was not required; or	RR 1069
	iii) for a new frequency assignment to a receiving station, when the notifying administration states that it accepts the interference resulting from the frequency assignments referred to in No. 3.10; or	RR 1070
	iv) between earth stations using frequency assignments in the same direction (either Earth-to-space or space-to-Earth); or	RR 1071
	e) for assignments to earth stations in relation to terrestrial stations, when an administration proposes:	Subheading to reflect scope of RR 1107
	i) to bring into use an earth station the coordination area of which does not include any of the territory of any other country;	RR 1109

	<p>ii) to operate a mobile earth station. However, if the coordination area associated with the operation of such a mobile earth station includes any of the territory of another country, the operation as such a station shall be subject to agreement on coordination between the administrations concerned. This agreement shall apply to the characteristics of the mobile earth station(s), or to the characteristics of a typical mobile earth station, and shall apply to a specified service area. Unless otherwise stipulated in the agreement, it shall apply to any mobile earth stations in the specified service area provided that interference caused by them shall not be greater than that caused by a typical earth station for which the technical characteristics appear in the notice and have been or are being submitted in accordance with Section I of Article S11; or</p>	RR 1111
	<p>iii) to bring into use a new frequency assignment to a receiving earth station and the notifying administration states that it accepts the interference resulting from existing and future terrestrial station assignments. In such case, administrations responsible for the terrestrial stations are not required to apply the provisions of No. 3.4 k) of Article S9:</p>	RR 1111A
	<p>f) for bringing into use an assignment to a terrestrial station which is located, in relation to an earth station, outside the coordination area of that earth station; or</p>	RR 1156
	<p>g) for bringing into use an assignment to a terrestrial station within the coordination area of an earth station, provided that the proposed terrestrial station assignment is outside any part of a frequency band coordinated for reception by that earth station.</p>	RR 1158

	<p>3. For each of the frequency assignments to an individual station or to a satellite network mentioned in paragraph 1 above, the level of interference shall be determined using the method referred to in the Table S5-1, that is appropriate to the particular case.</p>	General statement to provide connection to Table S5-1
	<p>4. The assignment is considered to be affected, and coordination must be sought under the procedure of Article S9, if</p> <ul style="list-style-type: none"> a) the interference level exceeds the threshold level given in the Table S5-1, or b) the condition specified in the Table S5-1 is applicable (e.g. there is overlap between the frequency bandwidths). 	Specifying the conditions under which the procedure of Article S9 must be applied to effect coordination or to obtain agreement.

DRAFT

TABLE S5-1¹

Technical conditions for coordination
(see Article S9)

Reference of Article S9	Case	Frequency bands	Threshold/Condition	Calculation method	Remarks
Para. 3.4 a)	A station in a satellite network using the geostationary-satellite orbit in respect of any other satellite network using that orbit	Any frequency band allocated to a space service, except those mentioned in paras. 3.4 b) - 3.4 h), and 3.4 l) - 3.4 o)	Value of $\Delta T/T$ exceeds 6%	Appendix S29	Does not apply to space stations of the broadcasting-satellite service (BSS) in Appendices S30 and S30A
Para. 3.4 b)	A station of the fixed-satellite service (FSS) in a frequency band shared on an equal primary basis with BSS in respect of space stations of the latter service which are subject to the plan in Appendix S30	11.7 - 12.2 GHz (R2) 12.2 - 12.7 GHz (R3) 12.5 - 12.7 GHz (R1)	i) There is an overlap in the necessary bandwidths of the space stations of FSS and BSS; and ii) the power-flux density (pfd) of the space station of FSS exceeds on the territory of another administration the value given in Annex 4 of Appendix S30.	i) Check from the assigned frequencies and bandwidths; ii) See Annex II to Appendix S29.	

¹ This Table is intended to assist the user to find the technical references necessary for the purpose of this Appendix.

TABLE S5-1 (CONTINUED)

Reference of Article S9	Case	Frequency bands	Threshold/Condition	Calculation method	Remarks
Para. 3.4 c)	A station of the FSS in a frequency band shared on an equal primary basis with the feeder links of the BSS, which are subject to the plan in Appendix S30A	17.7 - 18.1 GHz (R1) 17.7 - 18.1 GHz (R3) 17.7 - 17.8 GHz (R2)	i) Value of $\Delta T_s/T_s$ exceeds 4% (see Section 1 of Annex 4 of Appendix S30A); and ii) inter-satellite geocentric angular separation is less than 3° or greater than 150°	i) Case II of Appendix S29 ii) Annex I of Appendix S29	
Para. 3.4 d)	A space station in the BSS, in any band allocated to that service for which there is no frequency allotment or assignment plan, in respect of other space networks	Bands to which Resolution 33 applies; viz. 1 452 - 1 492 MHz 2 310 - 2 360 MHz RR 750B, 751B 2 560 - 2 655 MHz 2 655 - 2 670 MHz 12.5 - 12.75 GHz (R3) 17.3 - 17.8 GHz (R2) 21.4 - 22 GHz (R2, R3) 22.5 - 23 GHz (R2, R3) 40.5 - 42.5 GHz 84 - 86 GHz	Value of $\Delta T/T$ exceeds 6%	Appendix 29	

TABLE S5-1 (CONTINUED)

Reference of Article S9	Case	Frequency bands	Threshold/Condition	Calculation method	Remarks
Para. 3.4 e)	A space station in the BSS, in any band shared on an equal primary basis with terrestrial services and in which there is no plan for the BSS, in respect of terrestrial services	Bands to which Resolution 33 applies; i.e. the same as those listed in 3.4 d) above	<p>i) There is an overlap of bandwidths; and</p> <p>ii) the pfd of either the space station or a terrestrial transmitting station exceeds a limit specified in an ITU-R Recommendation</p>	<p>i) Check from the assigned frequencies and bandwidths</p> <p>ii) method given in an ITU-R Recommendation</p>	
Para. 3.4 f) 1) Non-GSO - Non-GSO	A station in a satellite network using a non-geostationary-satellite orbit in the frequency bands to which Resolution 46 applies in respect of any other satellite network using a non-geostationary-satellite orbit	Bands to which Resolution 46 applies (see Table S5-1A)	Frequency bandwidths overlap	Check from the assigned frequencies and bandwidths	See also Table S5-1A

TABLE S5-1 (CONTINUED)

Reference of Article S9	Case	Frequency bands	Threshold/Condition	Calculation method	Remarks
Para 3.4 f) 2) Non-GSO - GSO	A station in a satellite network using a non-geostationary-satellite orbit in the frequency bands to which Resolution 46 applies in respect of any other satellite network using the geostationary-satellite orbit	Bands to which Resolution 46 applies (See Table S5-1A)	Frequency bandwidths overlap	Check from the assigned frequencies and bandwidths	See also Table S5-1A
Para. 3.4 g) GSO-Non-GSO	A station in a satellite network using the geostationary-satellite orbit in the frequency bands to which Resolution 46 applies in respect of any other satellite network using a non-geostationary-satellite orbit	Bands to which Resolution 46 applies (See Table S5-1A)	Frequency bandwidths overlap	Check from the assigned frequencies and bandwidths	See also Table S5-1A

TABLE S5-1 (CONTINUED)

Reference of Article S9	Case	Frequency bands	Threshold/Condition	Calculation method	Remarks
Para. 3.4 h) Non-GSO-terrestrial	For a station in a satellite network using a non-geostationary-satellite orbit in the frequency bands to which Resolution 46 applies in respect of stations of terrestrial services where the pfd limits are exceeded	Bands to which Resolution 46 applies (See Table S5-1A)	For a non-GSO space station: the pfd on the surface of the Earth exceeds the threshold ¹	The method of calculation of pfd specified in an ITU-R Recommendation	See also Table S5-1A
Para. 3.4 i)	An individual earth station or a typical mobile earth station in frequency bands above 1 GHz allocated with equal rights to space and terrestrial services and where the coordination area of the earth station includes the territory of another country	Same as for the case in para. 3.4 a)	The coordination area of the earth station covers the territory of another administration	Appendix 28 (For earth stations in the radiodetermination-satellite service (RDSS) in the bands 1 610 - 1 626.5, 2 483.5 - 2 500 and 2 500 - 2 516.5 MHz, see Note in the Remarks column)	Note: For RDSS earth stations a uniform coordination distance of 400 km corresponding to an airborne earth station shall be used. In cases where earth stations are ground-based, a coordination distance of 100 km shall be used. [RR 1107.2]

¹ See VGE Note 3 under No. 3.4 h) of Article S9.

TABLE S5-1 (CONTINUED)

Reference of Article S9	Case	Frequency bands	Threshold/Condition	Calculation method	Remarks
Para. 3.4 j)	A fixed earth station or a typical earth station in respect of terrestrial stations in frequency bands to which Resolution 46 applies allocated with equal rights to space and terrestrial services and where the coordination area of the earth station includes the territory of another country	Bands to which Resolution 46 applies (See Table S5-1A)	The coordination area of the earth station covers the territory of another administration	In Resolution 46 the coordination area is defined as the service area in which it is intended to operate the typical earth stations, extended in all directions by a coordination distance of 500 km, or as a circular zone with a radius of 500 km centred on the coordinates of the fixed earth station. For a service area in which aircraft earth stations operate, the coordination area is the service area extended in all directions by a coordination distance of 1 000 km	
Para. 3.4 k)	Any transmitting station of a terrestrial service in the bands mentioned in No. 3.4 i) within the coordination area of an earth station	Same as for the case in para 3.4 i)	Transmitting terrestrial station is situated within the coordination area of an already coordinated receiving earth station	See remarks	The coordination area of the affected earth station has already been determined using the calculation method of paragraph 3.4 i)

TABLE S5-1 (CONTINUED)

Reference of Article S9	Case	Frequency bands	Threshold/Condition	Calculation method	Remarks
Para. 3.4 l)	A transmitting station of a terrestrial service within the coordination area of an earth station in a non-geostationary-satellite network in frequency bands to which Resolution 46 applies	Bands to which Resolution 46 applies (See Table S5-1A)	Transmitting terrestrial station is situated within the coordination area of an already coordinated receiving earth station		The coordination area of the affected earth station has already been determined using the calculation method of paragraph 3.4 j)
Para. 3.4 m)	A transmitting station of a terrestrial service in a frequency band shared on an equal primary basis with the BSS	11.7 - 12.2 GHz (R3) 11.7 - 12.5 GHz (R1) 12.2 - 12.7 GHz (R2) and the bands listed in paragraph 3.4 e) above	i) Necessary bandwidths overlap; and ii) pfd of the terrestrial station at the edge of the BSS service area exceeds the permissible level	i) Check from the assigned frequencies and bandwidths ii) Annex 3 to Appendix S30 for bands covered by that Appendix; a method specified in an appropriate ITU-R Recommendation for other bands	
Para. 3.4 n)	A station intended to use one of the frequencies 490 kHz, 518 kHz or 4 209.5 kHz for NAVTEX transmissions	489.75 - 490.25 kHz 517.5 - 518.5 kHz 4 209.25 - 4 209.75 kHz	Any other administration with an assignment in the same frequency band which might be affected as determined by the Bureau	Compatibility calculation with the use of Rules of Procedure	The procedure will be deemed completed, if the characteristics of the station result in a compatible time-sharing arrangement

TABLE S5-1 (CONTINUED)

Reference of Article S9	Case	Frequency bands	Threshold/Condition	Calculation method	Remarks
Para 3.4 o)	A station of a service for which the requirement to coordinate or to obtain the agreement of other administrations is included in a footnote of the Table of Frequency Allocations or in any other provision of these Regulations	Band(s) indicated in the relevant footnote or the other RR provision	Incompatibility established by the use of Appendices 28, 29, technical annexes of Appendices 30, 30A or 30B, pfd values specified in some of the footnotes, other technical provisions of the RR or ITU-R Recommendations as appropriate	Methods specified in or adapted from Appendices 28, 29, 30, 30A, 30B, other technical provisions of the RR or ITU-R Recommendations	

TABLE S5-1A
Applicability of Resolution 46*

Frequency band MHz	RR footnote	Space services in the Resolution 46 footnote	Other space services to which Resolution 46 applies equally	Power-flux density limit in dB(W/m ² /4 kHz)	Date of entry into force of the new allocations
137 - 137.025 137.175 - 137.825	599A	MOBILE- SATELLITE (S - E)	SPACE OPERATION (S-E) METEO-SATELLITE (S-E) SPACE RESEARCH (S-E)	-125 (S) ¹	Existing allocation
137.025 - 137.175 137.825 - 138	599A	mobile-satellite (S - E)	---	-125 (S)	Existing allocation
148 - 149.9	608A	MSS(E - S)	---	-150 (F) ²	Existing allocation
149.9 - 150.05	608B	LMSS(E - S)	---	-150 (F)	Existing allocation (secondary until 1.1.97, RR 609B)
312 - 315	641A	mss(E - S)	---		Existing allocation
387 - 390	641A	mss(S - E)	---		Existing allocation
400.15 - 401	647B	MSS(S - E)	METEO-SATELLITE (S-E) SPACE RESEARCH (S-E)	-125 (S)	Existing allocation
1 492 - 1 525	723C	MSS(S - E) (R2, except USA)	---	-152 to -142 (RR 2566) (S)	Existing allocation

* This table is derived from the Final Acts of WARC-92 and Rule of Procedure No. H52(Rev.1) contained in IFRB Circular-letter No. 921 of 11 December 1992.

¹ Symbol (S) in this column means that coordination of space stations of the mobile-satellite service with respect to terrestrial services is required only if the power-flux density at the surface of the Earth exceeds the indicated limit.

² Symbol (F) in this column means that the mobile earth stations of the mobile-satellite service concerned shall not produce power-flux density outside national boundaries in excess of the indicated limit.

TABLE S5-1A (CONTINUED)

Frequency band MHz	RR footnote	Space services in the Resolution 46 footnote	Other space services to which Resolution 46 applies equally	Power-flux density limit in dB(W/m ² /4 kHz)	Date of entry into force of the new allocations
1 525 - 1 530	726D	MSS (S - E) (or subset)	SPACE OPERATION (S-E)	(RR 2566) (S)	Existing allocation
1 525 - 1 530	726D	lmss (S - E)(R1)	earth exploration - sat.	(RR 2566) (S)	Existing allocation
1 530 - 1 535	726D	MSS (S - E) (or subset)	SPACE OPERATION (S-E)	(RR 2566) (S)	Existing allocation
1 533 - 1 535	726D	lmss (S - E)	earth exploration - sat.	(RR 2566) (S)	Existing allocation
1 535 - 1 544	726D	lmss (S - E)	---	(RR 2566) (S)	Existing allocation
1 535 - 1 559	726D	MSS (S - E) (or subset)	---	(RR 2566) (S)	Existing allocation
1 610 - 1 626.5	731E	MSS (E - S), RDSS (R2+RR 733B)	---	Limits on e.i.r.p. of mobile earth stations	Existing allocation
1 610 - 1 626.5	731E	rdss (E - S)(R1&R3)	---	- do -	Existing allocation
1 613.8 - 1 626.5	731F	mss (S - E)	---		Existing allocation
1 626.5 - 1 660	726D	MSS (E - S) (or subset)	---		Existing allocation
1 660 - 1 660.5	726D	MSS (E - S) (or subset)	---		Existing allocation
1 626.5 - 1 631.5 1 634.5 - 1 645.5	726D	lmss (E - S)	---		Existing allocation
1 675 - 1 700	735A	MSS (E - S)(R2)	---		Existing allocation
1 700 - 1 710	735A	MSS (E - S)(R2)	SPACE RESEARCH (S-E) (RR 743)		Existing allocation

TABLE S5-1A (CONTINUED)

Frequency band MHz	RR footnote	Space services in the Resolution 46 footnote	Other space services to which Resolution 46 applies equally	Power-flux density limit in dB(W/m ² /4 kHz)	Date of entry into force of the new allocations
1 970 - 1 980	746B	MSS (E - S)(R2)	---		01.01.2005, (1996 in USA, RR 746C)
1 980 - 2 010	746B	MSS (E - S)	---		01.01.2005, (1996 in USA, RR 746C)
2 160 - 2 170	746B	MSS (S - E)(R2)	---	(RR 2566) (S)	01.01.2005, (1996 in USA, RR 746C)
2 170 - 2 200	746B	MSS (S - E)	---	(RR 2566) (S)	01.01.2005, (1996 in USA, RR 746C)
2 483.5 - 2 500	753F	MSS (S - E) RDSS (S - E) (R2+RR 753C)	---	(RR 2566) (S)	Existing allocation
2 483.5 - 2 500	753F	rdss (S - E)(R1&3)	---	(RR 2566) (S)	Existing allocation
2 500 - 2 520	760A 754	MSS (S - E)	FSS (S-E) (R2&3), RDSS (S-E) RR 754A	(RR 2566) (S)	01.01.2005; (until 2005: Article 14: MSS (-AMSS))
2 520 - 2 535	754	MSS (-AMSS) (S - E)	BSS FSS (S-E)(R2&3)		Existing allocation
2 655 - 2 670	766	MSS (-AMSS) (E - S)	BSS FSS (S-E) (R2&3)		Existing allocation
2 670 - 2 690	764A 766	MSS (E - S)	FSS (E-S), (S-E)(R2) FSS (E-S)(R3)		01.01.2005; (until 2005: Article 14: MSS (-AMSS))

ADD APPENDIX S6

ADD (Note by VGE - See Task 2 recommendation 2/6 and Annex 4 to Part A for further information relating to this material.)

(MOD) APPENDIX 28S7

MOD ~~Method for the Determination of the Coordination Area Around an Earth Station in Frequency Bands Between 1 GHz and 40 GHz Shared Between Space and Terrestrial Radiocommunication Services~~

(The contents of this Appendix have not been reproduced since no change of substance is recommended to the present Appendix 28).

(MOD) APPENDIX 29S8

MOD ~~Method of Calculation for Determining if Coordination is Required Between Geostationary Satellite Networks Sharing the Same Frequency Bands~~

(The contents of this Appendix have not been reproduced since no change of substance is recommended to the present Appendix 29).

(MOD) APPENDIX 22S9

MOD ~~Report of an Irregularity or of an Infringement of the Convention or the Radio Regulations~~

(see Article S15, Section V)

(The contents of this Appendix have not been reproduced since no change of substance is recommended to the present Appendix 22).

(MOD)

APPENDIX ~~23~~S10

NOC

Report of Harmful Interference

(see Article S15, Section VI)

(The contents of this Appendix have not been reproduced since no change of substance is recommended to the present Appendix 23).

(MOD)

APPENDIX ~~45~~S11

MOD

**Double-Sideband (DSB) or Single-Sideband (SSB) System
Specifications in the HF ~~Bands Allocated Exclusively to the~~
Broadcasting Service**

(The contents of this Appendix have not been reproduced since no change of substance is recommended to the present Appendix 45).

ADD

APPENDIX S12

ADD

Special Rules Applicable to Radiobeacons

(see Article S28)

(Note by VGE - This material is extracted from Article 35.)

Section I

2853

B.—Aeronautical Radiobeacons

2854

Mob-87

~~§-14-~~ (1) The assignment of frequencies to aeronautical radiobeacons operating in the bands between 160 kHz and 535 kHz shall be based on a protection ratio against interference of at least 15 dB for each beacon throughout its service area.

2855

(2) The radiated power should be kept to the minimum value necessary to give the desired field strength at the service range.

2856

(3) The daylight service range of radiobeacons referred to in ~~No. 2854(1) above~~ shall be based on the following field strengths:

2857

(4) *Regions 1 and 2*

- 70 microvolts per metre for radiobeacons north of 30° N;
- 120 microvolts per metre for radiobeacons between 30° N and 30° S;
- 70 microvolts per metre for radiobeacons south of 30° S.

2858

(5) *Region 3*

- 70 microvolts per metre for radiobeacons north of 40° N;
- 120 microvolts per metre for radiobeacons between 40° N and 50° S;
- 70 microvolts per metre for radiobeacons south of 50° S.

Section II

2859

C.—Maritime Radiobeacons

2860

Mob-83

~~§-15-~~ (1) The protection ratio required for assignment of frequencies to maritime radiobeacons operating in the bands between 283.5 kHz and 335 kHz shall be based on the effective radiated power being kept to the minimum value necessary to give the desired field strength at the service range and the need to provide adequate geographical separation between radiobeacons operating on the same frequency and at the same time, to avoid harmful interference.

- 2861** (2) The daylight service range of the radiobeacons referred to in ~~No. 2860~~ (1) above shall be based on the following field strengths:
- 2862** (3) *Region 1*
- 50 microvolts per metre for radiobeacons north of 43° N;
 - 75 microvolts per metre for radiobeacons between 43° N and 30° N;
 - 100 microvolts per metre for radiobeacons between 30° N and 30° S;
 - 75 microvolts per metre for radiobeacons between 30° S and 43° S;
 - 50 microvolts per metre for radiobeacons south of 43° S.
- 2863** (4) *Region 2*
- 50 microvolts per metre for radiobeacons north of 40° N;
 - 75 microvolts per metre for radiobeacons between 40° N and 31° N;
 - 100 microvolts per metre for radiobeacons between 31° N and 30° S;
 - 75 microvolts per metre for radiobeacons between 30° S and 43° S;
 - 50 microvolts per metre for radiobeacons south of 43° S.
- 2864** (5) *Region 3*
- 75 microvolts per metre for radiobeacons north of 40° N;
 - 100 microvolts per metre for radiobeacons between 40° N and 50° S;
 - 75 microvolts per metre for radiobeacons south of 50° S.
- 2865** (6) The carrier frequencies of maritime radiobeacons and the
Mob-83 separation between channels shall be based on the use of integer multiples of 100 Hz. The separation between adjacent carrier frequencies should be based on relevant CCIR ITU-R Recommendations.